RF Amplifier Alignment

VHF Low Band

Control Setting	Test Instrument Connection	Adjust	Result
OFF/VOLUME control: ON. SQUELCH control: CCW. Select channels 1 through 3.	Connect instruments as shown in Figure 5. Sweep generator: 68-88 MHz.	T1 T2	1. Select channel 1 and adjust T1 and T2 for maximum RF output. 2. Check channels 1 through 3 for maximum output. A slight deviation like in Figure 6 is acceptable.

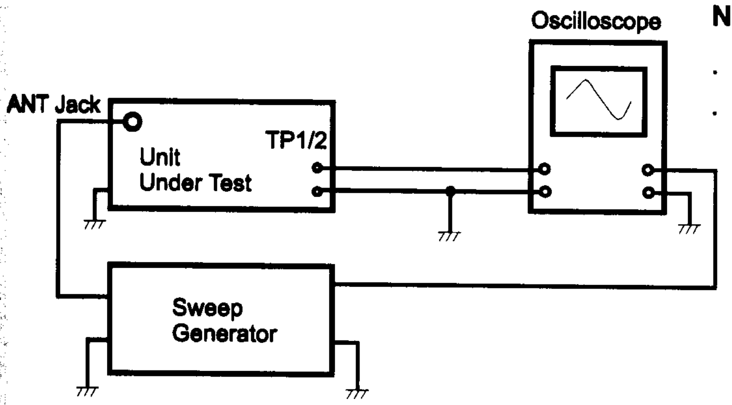

Figure 5

Notes:

- Use TP1 to adjust VHF Low and VHF High bands.
- Use TP2 for UHF Low band.

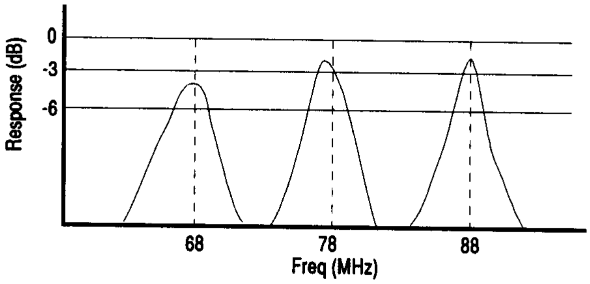

Figure 6

VHF High band

Control Setting	Test Instrument Connection	Adjust	Result
OFF/VOLUME control: ON. SQUELCH control: CCW. Select channels 4 through 6.	Connect instruments as shown in Figure 5. Sweep generator: 137-174 MHz.	T3 T4	1. Select channel 4 and adjust T3 and T4 for maximum RF output. 2. Check channels 4 through 6 for maximum output. A slight deviation like in Figure 7 is acceptable.

UHF Low Band

Control Setting	Test Instrument Connection	Adjust	Result
OFF/VOLUME control: ON. SQUELCH control: CCW. Select channels 7 through 10.	Connect instruments as shown in Figure 5. Sweep generator: 380-512 MHz.	TC1	1. Select channel 7 and adjust TC1 for maximum RF output. 2. Check channels 7 through 10 for maximum output. A slight deviation like in Figure 8 is acceptable.

UHF high band: No adjustment required.

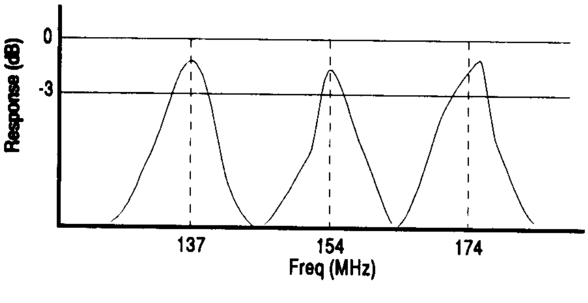

Figure 7

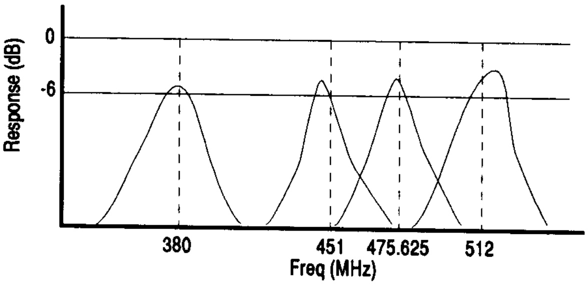

Figure 8